

ELECTRONIC UNITS AND METHOD FOR PACKAGING AND ASSEMBLY OF SAID ELECTRONIC UNITS

ABSTRACT

The present invention discloses method for packaging and assembly of electronic units comprising a multi-planar board system in which each single planar board provides electrical contacts and/or signal drive to its successive planar board via a flexible cable forming the only connection between successive planar boards. In its packaged position the planar boards are laid upon one another without affixing them with each other or affixing them with the housing of the electronic unit, wherein the packaging of the planar boards preferably forming a daisy chain. Positioning and adjusting of the planar boards to each other is mainly achieved by the cover element being wrapped around all surfaces of the planar boards during the packaging process, positioning and clamping of the packaging of the planar boards within the housing is mainly achieved by the self-adapting suspension during the assembly process of the electronic unit into the housing. The cover element separating and concurrently adjusting each planar boards to each other has isolating, stabilizing, heat draining, and flexible attributes. The electronic unit is preferably arranged in a screw-less, and scalable housing.